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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: BROWN, PETER Examiner #: 62667 Date: 3/3/03
 Art Unit: 3636 Phone Number 308-2103 Serial Number: 08156562
 Mail Box and Bldg/Room Location: PK5-6113 Results Format Preferred (circle): PAPER DISK E-MAIL

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

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PAT 5397200

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Terms: **patno=5597200** ([Edit Search](#))

156562 (08) 5597200 January 28, 1997

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5597200

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January 28, 1997

Variable temperature seat

REISSUE: Reissue Application filed Jan. 27, 1999 (O.G. Apr. 13, 1999) Ex. Gp.: 3626; Re. S.N. 09/239,504, (O.G. April 13, 1999)
November 28, 2001 - Reissue Application filed Ex. Gp.: 3507; Re. S.N. 09/996,439 (O.G. April 30, 2002)

INVENTOR: Gregory, Christian T., Alhambra, CA; Noles, David R., Glendale, CA; Gallup, David F., Garden Grove, CA; Heller, David H., La Palma, CA

APPL-NO: 156562 (08)

FILED-DATE: November 22, 1993

GRANTED-DATE: January 28, 1997

ASSIGNEE-AT-ISSUE: Amerigon, Inc., Burbank, CA

ASSIGNEE-AFTER-ISSUE: March 1, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AMERIGON, INC. 3601 EMPIRE AVENUE BURBANK CALIFORNIA 91505, Reel and Frame Number: 006878/0146

April 8, 1999 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BIG STAR INVESTMENTS LLC 949 SOUTH COAST DRIVE, SUITE 650 COSTA MESA CALIFORNIA 92626, Reel and Frame Number: 009896/0037

June 30, 1999 - RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS)., BIG STAR INVESTMENTS LLC SUITE 659 949 SOUTH COVE DRIVE COSTA MESA CALIFORNIA 92626, Reel and Frame Number: 010059/0366

April 13, 2000 - SECURITY INTEREST (SEE DOCUMENT FOR DETAILS)., BIG STAR INVESTMENTS LLC SUITE 201 801 W. BIG BEAVER RD. TROY MICHIGAN 48048, Reel and Frame Number: 010742/0421

LEGAL-REP: Christie, Parker & Hale, LLP

IPC-MAIN-CL: A 47C007#74

PRIM-EXMR: Brown, Peter R.

CORE TERMS: foam, seat, occupant, channel, subchannel, conditioned, reticulated, layer, seat cushion, automotive ...

ENGLISH-ABST-1:

A seating construction with a plurality of plenums into which is received temperature conditioned air. The air passes through the seat via a plurality of channels formed in the foam of the seat cushion. The air then migrates through a reticulated foam layer that is itself covered with an air permeable layer of material. The reticulated foam and stitching of the seat fabric facilitate diffusion of the air from the foam channel conduits. The air then convectively circulates against and near the occupant of the seat to facilitate climate control around the occupant.

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > **Utility, Design and Plant Patents**



Terms: **patno=5597200** ([Edit Search](#))

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Segments: [Appl-no](#), [Assignee](#), [Asst-exmr](#), [Date](#), [Exmr](#), [Int-cl](#), [Inventor](#), [Legal-rep](#), [Patno](#), [Pct-pub-date](#), [Prim-exmr](#), [Reissue](#), [Title](#)

Date/Time: Wednesday, March 5, 2003 - 2:06 PM EST

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**** SS 1: Results 1**

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US5597200 A 19970128 [US5597200]

Title :

(A) Variable temperature seat

Patent Assignee :

(A) AMERIGON INC (US)

Patent Assignee :

Amerigon, Inc., Burbank CA [US]

Inventor(s) :

(A) GREGORY CHRISTIAN T (US); NOLES DAVID R (US); GALLUP DAVID F (US); HELLER D

Application Nbr :

US15656293 19931122 [1993US-0156562]

Priority Details :

US15656293 19931122 [1993US-0156562]

Intl Patent Class :

(A) A47C-007/74

EPO ECLA Class :

A47C-007/74

US Patent Class :

ORIGINAL (O) : 297180130; CROSS-REFERENCE (X) : 005653000 297452470

Document Type :

Corresponding document

Citations :

US1541213; US2826135; US2978972; US2992604; US3162489; US3209380; US4379352; US492324
US5226188

Publication Stage :

(A) United States patent

Abstract :

A seating construction with a plurality of plenums into which is received temperature conditioned air. T through the seat via a plurality of channels formed in the foam of the seat cushion. The air then migrate reticulated foam layer that is itself covered with an air permeable layer of material. The reticulated foam of the seat fabric facilitate diffusion of the air from the foam channel conduits. The air then convectivel against and near the occupant of the seat to facilitate climate control around the occupant.

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Patent Number :

US 5597200 [US5597200]

Application Details :

US 156562/93 19931122 [1993US-0156562]

Document Type :

US-P

Action Taken :

19931122 US/AE-A
APPLICATION DATA (PATENT)
US 156562/93 19931122 [1993US-0156562]

19940301 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
AMERIGON, INC. 3601 EMPIRE AVENUE BURBANK, CALIFORNIA 91505 * GREGORY, CHR
19940202; NOLES, DAVID R. : 19940202; GALLUP, DAVID F. : 19940202; HELLER, DAVID H. :

19970128 US/A
PATENT

19990408 US/AS06
SECURITY INTEREST
BIG STAR INVESTMENTS LLC 949 SOUTH COAST DRIVE, SUITE 650 COSTA MESA, CALIFC
AMERIGON INCORPORATED : 19990329

19990413 US/RF
REISSUE APPLICATION FILED
19990127

19990630 US/AS17
RELEASE BY SECURED PARTY
BIG STAR INVESTMENTS LLC SUITE 659 949 SOUTH COVE DRIVE COSTA MESA, CALIFOR
AMERIGON INC. : 19990604

20020430 US/RF

REISSUE APPLICATION FILED
20011128

Update Code :

2002-20

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

5,597,200 A 19970128 [US5597200]

Patent Assignee :

Amerigon Inc

Actions :

19990127 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19990413

REISSUE REQUEST NUMBER: 09/239504

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3626

Reissue Patent Number:

19990408 REASSIGNED
SECURITY INTEREST

Assignor: AMERIGON INCORPORATED DATE SIGNED: 03/29/1999

Assignee: BIG STAR INVESTMENTS LLC 949 SOUTH COAST DRIVE, SUITE 650 COSTA MESA
CALIFORNIA 92626

Reel 009896/Frame 0037

Contact: BROBECK, PHLEGER & HARRISON LLP SCOTT SANTAGATA 38 TECHNOLOGY DR
CA 92618

19990630 REASSIGNED
RELEASE BY SECURED PARTY

Assignor: AMERIGON INC. DATE SIGNED: 06/04/1999

Assignee: BIG STAR INVESTMENTS LLC SUITE 659 949 SOUTH COVE DRIVE COSTA MESA,
92626

Reel 010059/Frame 0366

Contact: O'MELVENY & MYERS LLP CHRISTINA CHANG LEGAL ASSISTANT 400 SOUTH HC
LOS ANGELES, CA 90017

20000413 REASSIGNED
SECURITY INTEREST

Assignor: AMERIGON INCORPORATED DATE SIGNED: 03/16/2000

Assignee: BIG STAR INVESTMENTS LLC SUITE 201 801 W. BIG BEAVER RD. TROY, MICHIG

Reel 010742/Frame 0421

Contact: MCDERMOTT, WILL & EMERY JAMES E. EAKIN 2700 SAND HILL RD. MENLO PAR

20021128 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020430
REISSUE REQUEST NUMBER: 09/996439
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3507

Reissue Patent Number:

1 / 1 PAST - ©Thomson Derwent

Accession Number :

199915-000594

Patent Number :

5597200 A [US5597200]

Official Gazette Date :

1999-04-13

Actions :

REISSUE APPLICATION FILED

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Search statement 1

Query/Command : us5597200/pn

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGAL

1 / 1 INPADOC - ©INPADOC

Patent Number :

US 5597200 A 19970128 [US5597200]

Title :

VARIABLE TEMPERATURE SEAT

Inventor(s) :

GREGORY CHRISTIAN T [US]; NOLES DAVID R [US]; GALLUP DAVID F [US]; HELLER DAV

Patent Assignee (Words) :

AMERIGON INC [US]

Application Details :

US 156562/93-A 19931122 [1993US-0156562]

Priority Details :

US 156562/93-A 19931122 [1993US-0156562]

Intl. Patent Class. :

A47C-007/74

1 / 1 LGST - ©LEGSTAT

Patent Number :

US 5597200 [US5597200]

Application Details :

US 156562/93 19931122 [1993US-0156562]

Document Type :

US-P

Action Taken :

19931122 US/AE-A

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AMERIGON INC. : 19990604

20020430 US/RF
REISSUE APPLICATION FILED
20011128

Update Code :

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